

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

The following documents have been received:

Reponse to the August 25, 2003 Notice to Comply (3 pages); Copy of Notice to Comply (1 page); Sequence Listing (3 pages); Diskette Containing Sequence Listing; Statement Under 37 C.F.R. 1.821(f) and (g); NO FEE

Applicant:

Teresa Compton, et al. 09/942,146

Serial No.:

Patent No.:

N/A

Title:

HUMAN CYTOMEGALOVIRUS GLYCOPROTEIN O AS A NEW DRUG TARGET AND SUBUNIT VACCINE

CANDIDATE

Date:

9/4/2003

Our File: Attorney: 960296. 98342

ZREN

Secretary:

arolph

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Teresa Compton, et al.

09/942,146

Patent No.:

N/A

Title:

HUMAN CYTOMEGALOVIRUS GLYCOPROTEIN O AS

A NEW DRUG TARGET AND SUBUNIT VACCINE CANDIDATE

Date:

9/4/2003

Our File:

960296.998342

Attorney:

ZREN

Secretary:

arolph



I hereby certify that this correspondence is being deposited with the United States Postal Services on the date set forth below as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Signature and Deposit:___

9/4/03

Attorney of Record

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Teresa Compton, et al.

Serial No.:

09/942,146

Filed:

August 29, 2001

For:

HUMAN CYTOMEGALOVIRUS GLYCOPROTEIN O AS A

NEW DRUG TARGET AND SUBUNIT VACCINE

CANDIDATE

Group Art Unit:

1645

Examiner:

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RESPONSE TO NOTICE TO COMPLY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In response to the August 25, 2003 Notice to Comply, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 3 of this paper.

Amendments to the Specification:

Please insert the enclosed paper copy of the sequence listing into the application after the section titled "Abstract of the Disclosure."

REMARKS

In the Notice to Comply, the applicants are invited to provide a paper copy and a computer readable form of the sequence listing. In response, the applicants submitted these items herewith. A statement under 37 C.F.R. 1.821 (f) and (g) is also enclosed.

No fees are believed necessary to enter this response. However, if any fees are necessary please charge Deposit Account 17-0055.

Respectfully submitted,

Teresa Compton, et al.

September 4, 2003

By:_____

Zhibin Ren QUARLES & BRADY LLP 411 East Wisconsin Avenue Milwaukee, WI 53202

Reg. No.: 47,897 (414) 277-5633

QBMKE\960296.98342\5463774.1





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS

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APPLICATION NUMBER

FILING OR 371 (c) DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

09/942,146

06/26/2002

Teresa Compton

960296.98342

CONFIRMATION NO. 6687

27114

QUARLES & BRADY LLP 411 E. WISCONSIN AVENUE, SUITE 2040 MILWAUKEE, WI 53202-4497

FORMALITIES LETTER

OC00000010748733

Date Mailed: 08/25/2003

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE **DISCLOSURES**

Filing Date Granted

Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

 This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c) Applicant must provide an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase Patentin Software, call (703) 306-2600
- For Patentin Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

A copy of this notice \underline{MUST} be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



SEQUENCE LISTING

<110>	Compton, Teresa Huber, Mary T.
<120>	Human cytomegal

<120> Human cytomegalovirus glycoprotein O as a new drug target and subunit vaccine candidate

<130> 960296.98342

<140> 09/942,146

<141> 2001-08-29

<150> 09/627,986

<151> 2000-07-28

<150> 60/146,180

<151> 1999-07-29

<160> 1

<170> PatentIn version 3.2

<210> 1

<211> . 465

<212> PRT

<213> Human cytomegalovirus

<400> 1

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Lys Ile Gly Lys Tyr Lys Leu Asp Gln Leu Lys Leu Glu Ile Leu Arg 50 55 60

Gln Leu Glu Thr Thr Ile Ser Thr Lys Tyr Asn Val Ser Lys Gln Pro 65 70 75 80

Val Lys Asn Leu Thr Met Asn Thr Glu Phe Pro Gln Tyr Tyr Ile Leu 85 90 95

Ala Gly Pro Ile Gln Asn Tyr Ser Ile Thr Tyr Leu Trp Phe Asp Phe 100 105 110

Tyr Ser Thr Gln Leu Arg Lys Pro Ala Lys Tyr Val Tyr Ser Gln Tyr 115 120 125

Asn His Thr Ala Lys Thr Ile Thr Phe Arg Pro Pro Cys Gly Arg

Val Pro Ser Met Thr Cys Leu Ser Glu Met Leu Asn Val Ser Lys Arg 145 150 155 160

Asn Asp Thr Gly Glu Gln Gly Cys Gly Asn Phe Thr Thr Phe Asn Pro 165 170 175

Met Phe Phe Asn Val Pro Arg Trp Asn Thr Lys Leu Tyr Val Gly Pro 180 185 190

Thr Lys Val Asn Val Asp Ser Gln Thr Ile Tyr Phe Leu Gly Leu Thr 195 200 205

Ala Leu Leu Leu Arg Tyr Ala Gln Arg Asn Cys Thr His Ser Phe Tyr 210 215 220

Leu Val Asn Ala Met Ser Arg Asn Leu Phe Arg Val Pro Lys Tyr Ile 225 230 235 240

Asn Gly Thr Lys Leu Lys Asn Thr Met Arg Lys Leu Lys Arg Lys Gln 245 250 255

Ala Pro Val Lys Glu Gln Phe Glu Lys Lys Ala Lys Lys Thr Gln Ser 260 265 270

Thr Thr Thr Pro Tyr Phe Ser Tyr Thr Thr Ser Ala Ala Leu Asn Val 275 280 285

Thr Thr Asn Val Thr Tyr Ser Ile Thr Thr Ala Ala Arg Arg Val Ser 290 295 300

Thr Ser Thr Ile Ala Tyr Arg Pro Asp Ser Ser Phe Met Lys Ser Ile 305 310 315 320

Met Ala Thr Gln Leu Arg Asp Leu Ala Thr Trp Val Tyr Thr Thr Leu 325 330 335

Arg Tyr Arg Gln Asn Pro Phe Cys Glu Pro Ser Arg Asn Arg Thr Ala 340 345 350

Val Ser Glu Phe Met Lys Asn Thr His Val Leu Ile Arg Asn Glu Thr 355 360 365

Pro Tyr Thr Ile Tyr Gly Thr Leu Asp Met Ser Ser Leu Tyr Tyr Asn 370 375 380

Glu Thr Met Phe Val Glu Asn Lys Thr Ala Ser Asp Ser Asn Lys Thr 385 390 395 400

Thr Pro Thr Ser Pro Ser Met Gly Phe Gln Arg Thr Phe Ile Asp Pro 405 410 415

Leu Trp Asp Tyr Leu Asp Ser Leu Leu Phe Leu Asp Glu Ile Arg Asn 420 425 430

Phe Ser Leu Arg Ser Pro Thr Tyr Val Asn Leu Thr Pro Pro Glu His 435 440 445

Arg Arg Ala Val Asn Leu Ser Thr Ser Asn Ser Leu Trp Trp Trp Leu 450 460

Gln 465 I hereby certify that this correspondence is being deposited with the United States Postal Service on the date set forth below as First Class Mail in an envelope addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Signature and Deposit: September 4, 2003

Zhibin Ren, Reg. No. 47,897

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P.O. Box 1450

Alexandria, VA 22313-1450

STATEMENT UNDER 37 C.F.R. §§ 1.821(f) and (g)

Dear Sir:

The undersigned, an attorney registered to practice before the U.S. Patent and Trademark Office (USPTO) and representing the applicants in the above-identified patent application does hereby state and affirm that the content of the enclosed diskette and the content of the enclosed paper copy of the sequence listing are believed to be the same. No new matter has been added.

Respectfully submitted,

Teresa Compton, et al.

September 4, 2003

Зу:__

Zhibin Ren

Reg. No. 47,897

QUARLES & BRADY LLP

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